

Measure no.

US 50630447-02

Subject

Motorcycle stops due to lack of fuel despite a travelling distance still remaining

Status date (mm/dd/yy)

9/25/14

Status

Accepted

Organization

US, MOT

Date created (mm/dd/yy)

9/25/14

Created by

Bernhard Kistler

PQM Problem reference**Release date (mm/dd/yy)****Approved by****Dealer release**

Allow automatic release

Vehicles affected**E series**

K25/02 K25/12 K25/32

Engine

2-ZYL

Body**Production period (from/to)**

(mm/dd/yy)

Comment on production period

/

Feedback (all cases relating to**measure up to) (mm/dd/yy)**

Complaint

The motorcycle stops running due to lack of fuel even though a remaining travelling distance of more than 25mi is displayed on the instrument cluster.

When filling up, only approx. 7gal can be added. The fuel tank of the Adventure, however, holds approx. 8.7gal.

Cause

The delivery volume of the fuel pump is not sufficient to operate the suction-jet pump.

As a result, the fuel from the right-hand half of the fuel tank cannot be pumped into the left-hand half where the fuel pump and the fuel level gauge (foil sensor or lever-type sensor) are located.

When the fuel level reaches a level below the central hump of the fuel tank, the instrument cluster calculates the travelling distance and the fuel level display via the injection signal (ti).

If there is a lack of fuel transfer from the right to the left-hand side, the volume of fuel defined for the calculation is not available to the fuel pump and leads to "lack of fuel".

Measure

Let us know via PuMA if this problem has occurred and whether it was resolved by replacing the fuel pump.

Note: Replacing the suction-jet pump does NOT rectify the problem and is NOT paid for under warranty.

The following information must be provided with the warranty claim:

Defect code:

- 1614071200 Electric fuel pump failure

For flat rate units, see RSD

A comment is obligatory:

- Motor cycle broke down because the feed capacity of the fuel pump is too low

Complaint

	Fault location	Fault type	Fault place	Fault conditions
▮	Engine running	Engine: Dying off		
▮	Fuel level display	Display incorrect / not plausible		Fuel tank empty
▮	Range display	Display incorrect / not plausible		Fuel tank empty
▮	Starting / stopping engine	Engine: Unable to start		

Cause

#	Fault location	Fault type	Fault place
▮ 1	16/14 Fuel pump	Pressure drop/ loss	
	Repair Task	Special Clearance	Area
	Replace	No	Electrics/Electronics

Fault code

Progman / DIS / ISTA / ISTA/P

System	State	Version
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